RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/840,208

Source: IFWO

Date Processed by STIC: 5/12/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10/840,208

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____ Wrapped Nucleics
Wrapped Aminos
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 _____ Invalid Line Length
The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 _____ Misaligned Amino Numbering
The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 _____ Non-ASCII
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 _____ Variable Length
Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 _____ PatentIn 2.0 "bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 _____ Skipped Sequences (OLD RULES)
Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 _____ Skipped Sequences (NEW RULES)
Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 _____ Use of n's or Xaa's (NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 _____ Invalid <213> Response
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 _____ Use of <220>
Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (See 1.823 of Sequence Rules)

12 _____ PatentIn 2.0 "bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 _____ Misuse of n/Xaa
"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

AMC – Biotechnology Systems Branch – 09/09/2003

IFWO

RAW SEQUENCE LISTING   DATE: 05/12/2004
PATENT APPLICATION: US/10/840,208   TIME: 16:27:06

Input Set : A:\SEQ.LISTING.ST25.txt
Output Set: N:\CRF4\05122004\J840208.raw

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    3 <110> APPLICANT: Biocept, Inc.
    5 <120> TITLE OF INVENTION: DETECTION OF CHROMSOMAL DISORDERS
    7 <130> FILE REFERENCE: 81665
C-->  9 <140> CURRENT APPLICATION NUMBER: US/10/840,208
C-->  9 <141> CURRENT FILING DATE: 2004-05-05
    9 <160> NUMBER OF SEQ ID NOS: 42
   11 <170> SOFTWARE: PatentIn version 3.2
   13 <210> SEQ ID NO: 1
   14 <211> LENGTH: 19
   15 <212> TYPE: DNA
   16 <213> ORGANISM: PRIMER
   18 <400> SEQUENCE: 1
   19 tggtgaagca ggcgtcgga                                          19
   22 <210> SEQ ID NO: 2
   23 <211> LENGTH: 22
   24 <212> TYPE: DNA
   25 <213> ORGANISM: PRIMER
   27 <400> SEQUENCE: 2
   28 aagtggtcgt tgagggcaat gc                                      22
   31 <210> SEQ ID NO: 3
   32 <211> LENGTH: 22
   33 <212> TYPE: DNA
   34 <213> ORGANISM: PRIMER
   36 <400> SEQUENCE: 3
   37 caggagggcg tttctcaagg at                                      22
   40 <210> SEQ ID NO: 4
   41 <211> LENGTH: 22
   42 <212> TYPE: DNA
   43 <213> ORGANISM: PRIMER
   45 <400> SEQUENCE: 4
   46 tccaagagga aatccccacc ct                                      22
   49 <210> SEQ ID NO: 5
   50 <211> LENGTH: 22
   51 <212> TYPE: DNA
   52 <213> ORGANISM: PRIMER
   54 <400> SEQUENCE: 5
   55 cgcattcatc gtgtggtctc gc                                      22
   58 <210> SEQ ID NO: 6
   59 <211> LENGTH: 22
   60 <212> TYPE: DNA
   61 <213> ORGANISM: PRIMER
   63 <400> SEQUENCE: 6
   64 ctgtgcctcc tggaagaatg gc                                      22
```

Handwritten annotations:

— Invalid Response please move this response to section <220>-<223>.

Does Not Comply Corrected Diskette Needed (pg. 1-5)

— same error

— same error   Please see item # 10 on error summary sheet.

— same error

— same error

— same error

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 67 <210> SEQ ID NO: 7                                    Same errors
 68 <211> LENGTH: 22
 69 <212> TYPE: DNA
 70 <213> ORGANISM: PRIMER
 72 <400> SEQUENCE: 7
 73 acatggtccc tgaggtcttc gg                                          22
 76 <210> SEQ ID NO: 8
 77 <211> LENGTH: 22
 78 <212> TYPE: DNA
 79 <213> ORGANISM: PRIMER
 81 <400> SEQUENCE: 8
 82 gctccattga aggcaaggtc cg                                          22
 85 <210> SEQ ID NO: 9
 86 <211> LENGTH: 22
 87 <212> TYPE: DNA
 88 <213> ORGANISM: PRIMER
 90 <400> SEQUENCE: 9
 91 ccgccacgaa ggttgagaac aa                                          22
 94 <210> SEQ ID NO: 10
 95 <211> LENGTH: 22
 96 <212> TYPE: DNA
 97 <213> ORGANISM: PRIMER
 99 <400> SEQUENCE: 10
100 tcaaacatcg tccaccccag gg                                          22
103 <210> SEQ ID NO: 11
104 <211> LENGTH: 22
105 <212> TYPE: DNA
106 <213> ORGANISM: PRIMER
108 <400> SEQUENCE: 11
109 agcagatgac ttgggcaaag gt                                          22
112 <210> SEQ ID NO: 12
113 <211> LENGTH: 22
114 <212> TYPE: DNA
115 <213> ORGANISM: PRIMER
117 <400> SEQUENCE: 12
118 ggcctcagac tacatccaag gg                                          22
121 <210> SEQ ID NO: 13
122 <211> LENGTH: 24
123 <212> TYPE: DNA
124 <213> ORGANISM: PRIMER
126 <400> SEQUENCE: 13
127 tgttgctgag ttctcagtgc catt                                        24
130 <210> SEQ ID NO: 14
131 <211> LENGTH: 24
132 <212> TYPE: DNA
133 <213> ORGANISM: PROBE
135 <400> SEQUENCE: 14
136 tcaggaagga caggatagac agca                                        24
139 <210> SEQ ID NO: 15
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```
140 <211> LENGTH: 22
141 <212> TYPE: DNA                        Same errors
142 <213> ORGANISM: PRIMER
144 <400> SEQUENCE: 15
145 cgttggtgct actgcttggt gg                                22
148 <210> SEQ ID NO: 16
149 <211> LENGTH: 22
150 <212> TYPE: DNA
151 <213> ORGANISM: PRIMER
153 <400> SEQUENCE: 16
154 cgctccctc ttgtttcctt gc                                 22
157 <210> SEQ ID NO: 17
158 <211> LENGTH: 21
159 <212> TYPE: DNA
160 <213> ORGANISM: PRIMER
162 <400> SEQUENCE: 17
163 cccgtgaagt tccatgtgcc a                                 21
166 <210> SEQ ID NO: 18
167 <211> LENGTH: 22
168 <212> TYPE: DNA
169 <213> ORGANISM: PRIMER
171 <400> SEQUENCE: 18
172 agattaagcg ggttctgtgc ga                                22
175 <210> SEQ ID NO: 19
176 <211> LENGTH: 45
177 <212> TYPE: DNA
178 <213> ORGANISM: PROBE
180 <400> SEQUENCE: 19
181 ctacactgag caccaggtgg tctcctctga cttcaacagc gacac        45
184 <210> SEQ ID NO: 20
185 <211> LENGTH: 45
186 <212> TYPE: DNA
187 <213> ORGANISM: PROBE
189 <400> SEQUENCE: 20
190 ctcaaggata agagcgacac ggcctgacag tcactagtat tcatt        45
193 <210> SEQ ID NO: 21
194 <211> LENGTH: 45
195 <212> TYPE: DNA
196 <213> ORGANISM: PROBE
198 <400> SEQUENCE: 21
199 tctagagaat cccagaatgc gaaactcaga gatcagcaag cagct        45
202 <210> SEQ ID NO: 22
203 <211> LENGTH: 45
204 <212> TYPE: DNA
205 <213> ORGANISM: PROBE
207 <400> SEQUENCE: 22
208 ctgataagtg atgacggcct cttggttgct gagtgagact ttgac        45
211 <210> SEQ ID NO: 23
212 <211> LENGTH: 45
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RAW SEQUENCE LISTING   DATE: 05/12/2004
PATENT APPLICATION: **US/10/840,208**   TIME: 16:27:06

Input Set : **A:\SEQ.LISTING.ST25.txt**
Output Set: **N:\CRF4\05122004\J840208.raw**

Same errors

```
213 <212> TYPE: DNA
214 <213> ORGANISM: PROBE
216 <400> SEQUENCE: 23
217 acgtattccg tctgcacagg caaccaaggc cagtagaaag ctatg                45
220 <210> SEQ ID NO: 24
221 <211> LENGTH: 45
222 <212> TYPE: DNA
223 <213> ORGANISM: PROBE
225 <400> SEQUENCE: 24
226 caaaggtgga aatgaagaaa gtacaaagac aggaaacgct ggaag                45
229 <210> SEQ ID NO: 25
230 <211> LENGTH: 44
231 <212> TYPE: DNA
232 <213> ORGANISM: PROBE
234 <400> SEQUENCE: 25
235 gctcttgatt ttctctctgg ggaggcacac ccggcaaatg agaa                 44
238 <210> SEQ ID NO: 26
239 <211> LENGTH: 44
240 <212> TYPE: DNA
241 <213> ORGANISM: PROBE
243 <400> SEQUENCE: 26
244 gaatgtaaac cctttgtaac cccatcccat gcccctccga ctcc                 44
247 <210> SEQ ID NO: 27
248 <211> LENGTH: 46
249 <212> TYPE: DNA
250 <213> ORGANISM: PROBE
252 <400> SEQUENCE: 27
253 cagagacaca aacatacaaa ggaaagatcc agacattcaa cgtaga              46
256 <210> SEQ ID NO: 28
257 <211> LENGTH: 22
258 <212> TYPE: DNA
259 <213> ORGANISM: PRIMER
261 <400> SEQUENCE: 28
262 tggctttcgt acagtcatcc ct                                         22
265 <210> SEQ ID NO: 29
266 <211> LENGTH: 24
267 <212> TYPE: DNA
268 <213> ORGANISM: PRIMER
270 <400> SEQUENCE: 29
271 cacagaaatt acaggccatg caca                                       24
274 <210> SEQ ID NO: 30
275 <211> LENGTH: 34
276 <212> TYPE: DNA
277 <213> ORGANISM: PRIMER
279 <400> SEQUENCE: 30
280 ctcatcaaac ctatataagc acgtggacac tgga                            34
283 <210> SEQ ID NO: 31
284 <211> LENGTH: 35
285 <212> TYPE: DNA
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RAW SEQUENCE LISTING   DATE: 05/12/2004
PATENT APPLICATION: US/10/840,208   TIME: 16:27:06

Input Set : A:\SEQ.LISTING.ST25.txt
Output Set: N:\CRF4\05122004\J840208.raw

Same errors

```
286 <213> ORGANISM: PRIMER
288 <400> SEQUENCE: 31
289 gggtccactg gtctaggtaa aaaatgtgtg aattt                    35
292 <210> SEQ ID NO: 32
293 <211> LENGTH: 24
294 <212> TYPE: DNA
295 <213> ORGANISM: PRIMER
297 <400> SEQUENCE: 32
298 tgcctcagtt tctagtcagc caat                                24
301 <210> SEQ ID NO: 33
302 <211> LENGTH: 24
303 <212> TYPE: DNA
304 <213> ORGANISM: PRIMER
306 <400> SEQUENCE: 33
307 aggtctttac cccaggcatt caca                                24
310 <210> SEQ ID NO: 34
311 <211> LENGTH: 34
312 <212> TYPE: DNA
313 <213> ORGANISM: PRIMER
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316 tttgggtatt gttgggagga ggtagtgatt actt                     34
319 <210> SEQ ID NO: 35
320 <211> LENGTH: 35
321 <212> TYPE: DNA
322 <213> ORGANISM: PRIMER
324 <400> SEQUENCE: 35
325 tcctgtcttt gtactttctt catttccacc tttgc                    35
328 <210> SEQ ID NO: 36
329 <211> LENGTH: 45
330 <212> TYPE: DNA
331 <213> ORGANISM: PROBE
333 <400> SEQUENCE: 36
334 tcttcgcctt ccgacgaggt cgatacttat aattcgggta tttct          45
337 <210> SEQ ID NO: 37
338 <211> LENGTH: 45
339 <212> TYPE: DNA
340 <213> ORGANISM: PROBE
342 <400> SEQUENCE: 37
343 gatactatgt tgcattaaat aaagatggga ccccgagaga aggga          45
346 <210> SEQ ID NO: 38
347 <211> LENGTH: 45
348 <212> TYPE: DNA
349 <213> ORGANISM: PROBE
351 <400> SEQUENCE: 38
352 cagcccaaag ttatcttctt aaattttta caggtccatg aaaaa           45
355 <210> SEQ ID NO: 39
356 <211> LENGTH: 45
357 <212> TYPE: DNA
358 <213> ORGANISM: PROBE
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VERIFICATION SUMMARY   DATE: 05/12/2004
PATENT APPLICATION: **US/10/840,208**   TIME: 16:27:07

Input Set : **A:\SEQ.LISTING.ST25.txt**
Output Set: **N:\CRF4\05122004\J840208.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date